

Work Order ID 109851

109851

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Item ID: D412-742-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/06/13 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D412-742	E								
100		0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-742-013								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

B108719

Work Order ID 109851

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Item ID: D412-742-013 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible
 Start Date: 12/03/13 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 12/06/13 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Packaging Memo Identify and pack for shipping as per PPP D412-742-013 Location: <u>16073</u> <u>Reo J</u>	0.00 0.00						<u>06</u> 9-89	<u>8</u>
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							<u>MCS 14-07-11</u> <u>MCS 14-07-11</u>

JUL 11 2014
 DAS
 06
 9-89
 JUL 11 2014
 MCS 14-07-11
 MCS 14-07-11

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 1072 DD verified by: JLM
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP Rev: F: add AN4C7A DD
 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per DSI9517 REV.B DD verified
 by: EC IPP rev: H 12.01.12 PER IIN REV.E DD VERF: IPP Rev: I add AN4C47A
 DD 12.03.14 verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4C47A Bolt		Purchased	No			110	Each	107.0000	4	4		DAS 33 9-89	DAS 6 9-89
				<u>Location</u>		<u>Loc Qty</u>			<u>Loc Code</u>				
				FG		10							
				122491		10							
				ST359		97							
				112491		4							
				M126007		18				126067			
				M126293		75							
D412-742-043 Replacement Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible		Manufactured	No			110	Each	0.0000	1	1		1081719	DAS 6 9-89
D2571 Saddle, Fwd, Out		Manufactured	No			110	Each	23.0000	1	1		DAS 33 9-89	13-12-04
				<u>Location</u>		<u>Loc Qty</u>			<u>Loc Code</u>				
				ST441		23							
				104701		8				104701			
				105995		2							
				108297		8							
				11644		1							
				89090		4							

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

D2572

Saddle, Fwd, In

Manufactured No

110 Each 23.0000

1 DAS 33 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST441

23

105733

1

106514

8

108485

12

71107

2

106514

D2573

Saddle, Aft, Out

Manufactured No

110 Each 24.0000

1 DAS 33 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST442

24

101819

1

105413

8

108126

8

108525

7

108126

D2574

Saddle, Aft, In

Manufactured No

110 Each 19.0000

1 DAS 33 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST442

19

106416

7

108523

12

108523

D2876

Saddle Spacer

Manufactured No

110 Each 77.0000

2 DAS 33 9-89 13-12-04

DAS
27
9-89

Location

Loc Qty

Loc Code

ST020

77

100354

6

106074

38

108253

4

108425

27

89181

1

92502

1

106074

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

D2877

Saddle Spacer

Manufactured No

110 Each 75.0000

2

2

DAS

33

9-89

9-89

DAS

27

9-89

Location

ST020

Loc Qty

75

Loc Code

100477

6

106231

40

108252

3

108487

26

1X106231
1X108252

D3403-1

Bushing

Manufactured No

110 Each 165.0000

8

8

DAS

33

9-89

DAS

27

9-89

Location

ST041

Loc Qty

165

Loc Code

88782

165

88782

D3403-5

Bushing

Manufactured No

110 Each 143.0000

8

8

DAS

33

9-89

DAS

27

9-89

Location

ST042

Loc Qty

143

Loc Code

88784

143

88784

D2747

Set Screw

Manufactured No

110 Each 174.0000

4

4

DAS

33

9-89

DAS

27

9-89

Location

ST017

Loc Qty

174

Loc Code

100949

3

106173

54

79520

5

86439

8

86827

90

99355

14

99355

D3533-1

Set Screw

Manufactured No

110 Each 128.0000

2

2

DAS

33

9-89

DAS

27

9-89

Location

ST054

Loc Qty

128

Loc Code

102438

120

87348

8

87348

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

AN4G6A

Bolt

Purchased No

110 Each 496.0000

16

16

DAS

33

9-89

DAS
6
9-89

Location

Loc Qty

Loc Code

FG

14

103344

4

121657

10

ST355

481

122800

12

123900

6

m125709

463

ST513

1

125388

1

125709

DAS
6
9-89

AN4C53A

BOLT

Purchased No

110 Each 78.0000

4

4

DAS

33

9-89

Location

Loc Qty

Loc Code

ST360

78

122193

3

M126293

15

M127061

30

M127204

30

127204

AN4G52A

Bolt

Purchased No

110 Each 111.0000

4

4

DAS

33

9-89

12-1204

Location

Loc Qty

Loc Code

FG

5

122518

5

ST360

106

117688

34

122518

4

M126007

50

M126293

18

126293

DAS
6
9-89

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

AN6C12A

Bolt

Purchased No

110 Each 155.0000

8

8

DAS
33
9-86

DAS
6
9-89

LAS
27
9-89

Location

Loc Qty

Loc Code

ST339	105	
122204	5	
M127290	100	
ST505	50	
M126180	50	

127290

D3672-3

Phenolic Washer

Manufactured No

110 Each 635.0000

32

32

DAS
3
9-86

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	111	
84432	11	
89273	100	
FP001	31	
91915	31	
ST060	493	
107316	55	
84432	1	
86517	5	
88441	25	
91915	136	
93925	271	

93925

NASH149C0432R

WASHER

Purchased No

110 Each 5,899.0000

32

32

DAS
33
9-89

13-12-04

LAS
27
9-89

Location

Loc Qty

Loc Code

ST292	2273	
119124	6	
121255	7	
121825	8	
122441	55	
m125807	2205	
ST510a	3626	
m126221	3626	

126221

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Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Required Qty: 1.00

44-38861-89

DAS
33
9-89

DAS
33
9-89

DAS
33
9-89

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

D3403-3

Bushing

DAS
27
9-89

Manufactured No

110 Each 209.0000

8

8

DAS

33

9-89

Location

Loc Qty

Loc Code

ST041

209

85662

7

88783

202

17-85662
17-88783

110 Each 20.0000

1

1

DAS

33

9-89

Location

Loc Qty

Loc Code

ST423

6

62227

2

77000

2

86762

1

89218

1

ST468

14

100378

10

100886

4

100886

110 Each 18.0000

1

1

DAS

33

9-89

Location

Loc Qty

Loc Code

ST468

17

100877

5

105544

7

106107

4

108257

1

ST478

1

82038

1

106107

D3405-043

Gh Lug

DAS
27
9-89

Manufactured No

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

AN4C7A
BOLT

Purchased No

110 Each 180.0000

4 4 DAS 33 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST355
109147
123900
m127363
ST513
125388

107
6
1
100
73
73

Manufactured No

110 Each 8.0000

125388 108404 1 DAS 33 9-89

D3407-041
Tow Ring

DAS
27
9-89

Location

Loc Qty

Loc Code

ST444
107840
88213
ST463
106005
88213

4
3
1
4
2
2

Manufactured No

110 Each 69.0000

2 2 DAS 33 9-89 13-12-04

D3417-3
Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

FG
33519
ST042
106077
109129

7
7
62
22
40

106077

DAS
33
9-89

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

Bolt

Purchased No

110 Each 56.0000

1

1

DAS
33
9-89

DAS
6
9-89

Location Loc Qty Loc Code

FG 9

103324 4

122843 5

ST353 41

m127300 16

m127544 25

ST513 6

123930 6

127300

Purchased No

110 Each 44.0000

1

1

DAS
33
9-89

DAS
6
9-89

Location Loc Qty Loc Code

FG 5

121103 5

ST353 39

121109 1

122843 1

m126293 13

m127300 24

126293

DAS
6
9-89

Purchased No

110 Each 84.0000

4

4

DAS
33
9-89

13-12-04

Location Loc Qty Loc Code

FG 10

120465 10

ST354 74

120465 4

124827 3

M126007 1

M126621 41

M127201 25

126221

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

AN3C42A

Bolt

AN3C43A

Bolt

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Work Order ID: 109851

Parent Item: D412-742-013

Parent Item Name: Skidtube (Fits LH or RH) High Gear Apical Tri-Bag Float Compatible

Start Date: 12/03/13

Required Date: 12/06/13

Start Qty: 1.00

Required Qty: 1.00

AN3C46A

Bolt

Purchased No

110 Each 54.0000

5

5

DAS

33

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	10	
122843	10	
ST353	42	
M127578	42	127578
ST354	2	
M127281	2	127281

NAS1149C0332R

WASHER

Purchased No

110 Each 11,363.000

26

26

DAS

33

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001	254	
123355	254	
ST292	119	
123248	18	
123759	10	
125268	91	
st510	9300	126319
m126319	3800	
m127306	2500	
m127410	3000	
ST511	1564	
125654	1564	
ST517	126	
124580	126	

MS21043-3

Nut

Purchased No

110 Each 1,120.0000

13

13

DAS

33

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	80	
103691	80	
ST315	1040	
124555	163	
m126741	877	126741

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DART AEROSPACE USA, INC.

IIN-D412-742

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(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	4		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-0411	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X (1)	X	D412-742-013	*FLOAT-SKIDTUBE INSTALLATION
			D412-742-043	(FLOAT SKIDTUBE)
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ONLY

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	97	DART AEROSPACE USA, INC KENT, WA	
DRAWN	97		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
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